

CLAIMS (with indication of amended or new):

(Amended) 8. Apparatus according to claim 1, wherein the first and second optical radiation sensing areas are not directed towards the optical radiation source and the detector further comprises an optical device to direct the optical radiation onto the first and second sensing areas.

(Amended) 12. A wire bonder according to claim 3, wherein the control device comprises an ultrasonic wave controller.

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(Amended) 16. A method according to claim 13, further comprising controlling the oscillation amplitude of the oscillating object in response to the determined oscillation amplitude.

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(Amended) 18. A method according to claim 16, wherein the oscillation amplitude is controlled in real time.

FOOTNOTES